

GPH = 631.3 **CDL = 9.206**

BOAT

Class **BAVARIA 35 Match**
 Designer **J&J DESIGN**
 Builder **BAVARIA YACHTBAU**
 Age Date **04/2006**
 Series Date **01/2004**
 Offset File **ba35mk2d.off**

HULL

Length Overall **10.840 m**
 Maximum Beam **3.276 m**
 Draft **2.030 m**
 Displacement **6,323 kg**
 DLR **5.7622**
 IMS Division **Cruiser/Racer**
 Dynamic Allowance **0.241%**
 Age Allowance **0.487%**

PROPELLER

Installation **Strut**
 Type **Folding 3 blades**
 Diameter **0.430m**

CREW

Maximum weight **500 kg**
 Minimum weight **375 kg * when applied**
 Non Manual Power **No**
 Crew Arm Extension

SAIL AREAS (m²)

	Measured	Rated
Mainsail	37.84	38.51
Headsail Luffed	35.98	35.98
Headsail Flying		
Symmetric	85.15	85.15
Asymmetric		

SAIL LIMITATIONS

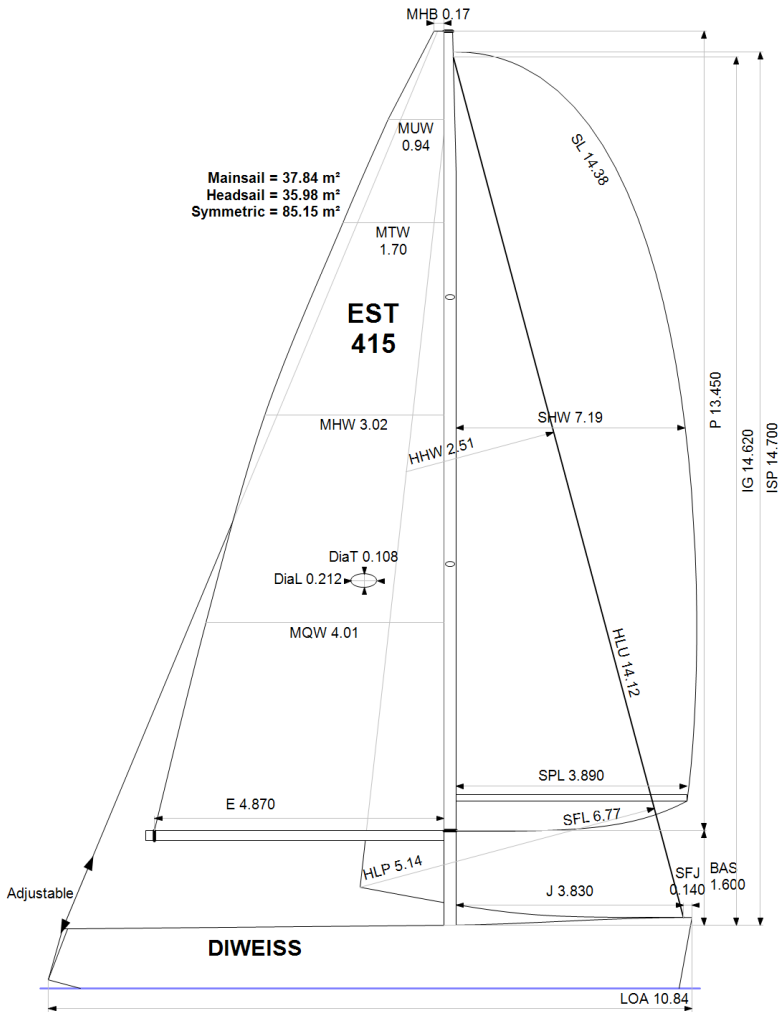
Headsails **5**
 Spinnakers **4**

STABILITY

Righting Moment **115.0 kg·m**
 Stability Index **N/A**

OWNER

The owner certifies that he/she understands his/her responsibilities under ORC Rule and Regulations.



Rated boat velocities in knots

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	42.8°	40.9°	40.9°	40.5°	39.8°	39.8°	39.6°
Beat VMG	3.44	4.13	4.62	4.88	4.99	5.04	5.08
52°	5.24	6.18	6.81	7.09	7.19	7.23	7.27
60°	5.53	6.48	7.04	7.29	7.40	7.45	7.48
75°	5.78	6.71	7.21	7.47	7.64	7.76	7.85
90°	5.73	6.70	7.22	7.51	7.74	7.95	8.29
110°	5.57	6.73	7.34	7.69	7.98	8.16	8.51
120°	5.42	6.58	7.27	7.65	8.00	8.37	8.86
135°	4.91	6.02	6.92	7.41	7.75	8.12	8.98
150°	4.16	5.23	6.17	6.94	7.39	7.72	8.45
Run VMG	3.60	4.53	5.34	6.08	6.72	7.23	7.89
Gybe Angles	145.0°	150.0°	151.5°	156.0°	174.0°	180.0°	180.0°

Time Allowances in secs/NM							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1047.0	871.9	779.2	737.5	720.9	714.5	708.1
52°	687.3	582.9	528.5	507.9	500.8	497.6	495.4
60°	651.1	555.6	511.6	493.9	486.6	483.1	481.4
75°	623.1	536.1	499.6	482.1	470.9	463.9	458.7
90°	628.4	537.4	498.6	479.3	464.9	452.6	434.2
110°	645.7	535.0	490.2	468.0	451.4	441.0	423.2
120°	664.1	547.3	495.4	470.7	450.0	429.9	406.2
135°	733.8	598.0	520.1	486.0	464.4	443.1	400.8
150°	866.2	688.3	583.9	518.5	486.9	466.3	425.9
Run VMG	1000.2	794.7	673.6	592.1	535.9	497.6	456.2
Selected Courses							
Windward / Leeward	1023.6	833.3	726.4	664.8	628.4	606.1	582.2
All purpose	788.3	651.7	580.5	543.5	522.5	507.7	488.9

Single Number Scoring Options		
Course	Time On Distance	Time On Time
Windward / Leeward	694.6	0.8638
All purpose	563.5	1.0649

Custom scoring options for Estonia

Single Number	Time On Distance	Time On Time
Coastal/Long Distance	614.3	0.9768
Triple Number Coastal/Long Distance Low	719.9	0.8334
Triple Number Coastal/Long Distance Medium	559.6	1.0722
Triple Number Coastal/Long Distance High	504.4	1.1896
Triple Number Windward/Leeward Low	928.5	0.6462
Triple Number Windward/Leeward Medium	690.3	0.8692
Triple Number Windward/Leeward High	602.7	0.9955

Performance Curve	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Coastal/Long Distance	1021.3	783.1	654.5	580.5	542.3	513.1	467.8